APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,174	03/26/2004	Suchit Kaura	ORCL-2003-139-01	7993

7590 09/20/2006	EXAMINER
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ART UNIT	PAPER NUMBER
2166	

DATE MAILED: 09/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/810,174	KAURA ET AL.
Office Action Summary	Examiner	Art Unit	
	Navneet K. Ahluwalia	2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>26 March 2004</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-22</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-22</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>26 March 2004</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1.   The application has been examined. Claims 1 – 22 are pending in this office

action.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3.   Claims 1 – 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Lord

et al. ('Lord' herein after) (US 20030028514 A1).

With respect to claim 1,

       Lord discloses a method of providing shared objects and node-specific objects in

a cluster file system (Figure 3, Lord), said method comprising:

-      providing to a particular shared object an attribute that indicates any object

       created in said particular shared object from this point in time will be

       designated as node-specific (page 6 paragraph 0096, Lord); and

-      when a node causes a file system operation that is node-specific to be

       performed by accessing said particular shared object, performing said file

       system operation in an alternate directory corresponding to said node,

wherein said alternate directory supports a node-specific object (page 6

paragraph 0100, Lord).

With respect to claim 2,

Lord discloses the method as recited in claim 1 wherein said particular shared

object is a container-type shared object (paragraphs 0035 and 0070, Lord).

With respect to claim 3,

Lord discloses the method as recited in claim 1 wherein said particular shared

object is a directory (Figure 7, paragraphs 0070 and 0084, Lord).

With respect to claim 4,

Lord discloses the method as recited in claim 1 wherein said performing said file

system operation in said alternate directory includes:

- associating a pointer with said particular shared object (paragraphs 0038,

    0135, Lord);

- using said pointer to point to a table having alternate directory information for

    each node (paragraph 0135, Lord);

- if said alternate directory information for said node indicates that said

    alternate directory has not been created, creating said alternate directory for

    said node and updating said table with a location of said alternate directory

    (paragraphs 103, 123, Lord).

With respect to claim 5,

Lord discloses the method as recited in claim 1 wherein said file system operation that is node-specific includes creating one of a node-specific file and a node-specific directory (paragraphs 0096 – 0097, Lord).

With respect to claim 6,

Lord discloses the method as recited in claim 5 wherein said file system operation that is node-specific includes modifying one of said node-specific file and said node-specific directory (paragraph 0101, Lord).

With respect to claim 7,

Lord discloses the method as recited in claim 5 wherein said file system operation that is node-specific includes deleting one of said node-specific file and said node-specific directory (paragraphs 0079, 0143, Lord).

With respect to claim 8,

Lord discloses a computer-readable medium comprising computer-executable instructions stored therein for performing a method of providing shared objects and node-specific objects in a cluster file system (Figure 3, Lord), said method comprising:

- providing to a particular shared object an attribute that indicates any object created in said particular shared object from this point in time will be designated as node-specific (page 6 paragraph 0096, Lord); and

- when a node causes a file system operation that is node-specific to be performed by accessing said particular shared object, performing said file system operation in an alternate directory corresponding to said node, wherein said alternate directory supports a node-specific object (page 6 paragraph 0100, Lord).

With respect to claim 9,

Lord discloses the computer-readable medium as recited in claim 8 wherein said particular shared object is a container-type shared object (paragraphs 0035 and 0070, Lord).

With respect to claim 10,

Lord discloses the computer-readable medium as recited in claim 8 wherein said particular shared object is a directory (Figure 7, paragraphs 0070 and 0084, Lord).

With respect to claim 11,

Lord discloses the computer-readable medium as recited in claim 8 wherein said performing said file system operation in said alternate directory includes:

- associating a pointer with said particular shared object (paragraphs 0038,

   0135, Lord);

- using said pointer to point to a table having alternate directory information for

   each node (paragraph 0135, Lord);

- if said alternate directory information for said node indicates that said

   alternate directory has not been created, creating said alternate directory for

   said node and updating said table with a location of said alternate directory

   (paragraphs 103, 123, Lord).

With respect to claim 12,

Lord discloses the computer-readable medium as recited in claim 8 wherein said

file system operation that is node-specific includes creating one of a node-specific file

and a node-specific directory (paragraphs 0096 – 0097, Lord).

With respect to claim 13,

Lord discloses the computer-readable medium as recited in claim 12 wherein

said file system operation that is node-specific includes modifying one of said node-

specific file and said node-specific directory (paragraph 0101, Lord).

With respect to claim 14,

Lord discloses the computer-readable medium as recited in claim 12 wherein

said file system operation that is node-specific includes deleting one of said node-

specific file and said node-specific directory (paragraphs 0079, 0143, Lord).

With respect to claim 15,

Lord discloses a system comprising:

- a cluster having a plurality of nodes, a mass storage device coupled to said

    cluster (Figure 3, Lord); and

- a cluster file system configured to automatically provide shared objects and

    node-specific objects to each node without duplicating shared objects when

    providing node-specific objects (page 6 paragraph 0096, Lord).

With respect to claim 16,

Lord discloses the system as recited in claim 15 wherein said cluster file system

enables providing to a particular shared object an attribute that indicates any object

created in said particular shared object from this point in time will be designated as

node-specific (page 6 paragraph 0096, Lord), and wherein when one of said nodes

causes a file system operation that is node-specific to be performed by accessing said

particular shared object, said cluster file system performs said file system operation in

an alternate directory corresponding to said node, wherein said alternate directory

supports a node-specific object (page 6 paragraph 0100, Lord).

With respect to claim 17,

Lord discloses the system as recited in claim 16 wherein said cluster file system

associates a pointer with said particular shared object (paragraphs 0038, 0135, Lord),

wherein said cluster file system uses said pointer to point to a table having alternate

directory information for each node (paragraph 0135, Lord), and wherein if said

alternate directory information for said node indicates that said alternate directory has

not been created, said cluster file system creates said alternate directory for said node

and updates said table with a location of said alternate directory (paragraphs 103, 123,

Lord).

With respect to claim 18,

Lord discloses the system as recited in claim 16 wherein said file system

operation that is node-specific includes creating one of a node-specific file and a node-

specific directory (paragraphs 0096 – 0097, Lord).

With respect to claim 19,

Lord discloses the system as recited in claim 18 wherein said file system

operation that is node-specific includes modifying one of said node-specific file and said

node-specific directory (paragraph 0101, Lord).

With respect to claim 20,

Lord discloses the system as recited in claim 18 wherein said file system

operation that is node-specific includes deleting one of said node-specific file and said

node-specific directory (paragraphs 0079, 0143, Lord).

With respect to claim 21,

Lord discloses the system as recited in claim 15 wherein said particular shared

object is a container-type shared object (paragraphs 0035 and 0070, Lord).

With respect to claim 22,

Lord discloses the system as recited in claim 15 wherein said particular shared

object is a directory (Figure 7, paragraphs 0070 and 0084, Lord).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navneet K. Ahluwalia whose telephone number is 571-272-5636. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam T. Hosain can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Navneet K. Ahluwalia
Examiner
Art Unit 2166   MOHAMMAD ALI
                                                          PRIMARY EXAMINER

Dated: 09/13/2006